

DATA BRIEF

National Science Foundation

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Federal Survey Shows Defense Funding of Industry Is Largest Share of Federal R&D in FY 2000

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Federal funding for R&D in FY 2000 is slated mostly for non-Federal sectors of the economy.

More than three-fourths of the total Federal obligations for research and development (R&D) and R&D plant (\$77.2 billion) is slated for non-Federal sectors of the economy in fiscal year (FY) 2000, according to a survey of Federal agencies conducted in 1999 (figure 1). Survey results show that industry receives 42 percent (\$32.2 billion) of the Federal R&D funds, of which 84 percent (\$26.9 billion) is to support development work (table 1). The Department of Defense (DoD) is the source of three-fourths (\$24.3 billion) of the Federal R&D and R&D plant monies obligated to industry.

The two other major recipients of Federal R&D dollars—universities and colleges and the Federally Funded Research and Devel-

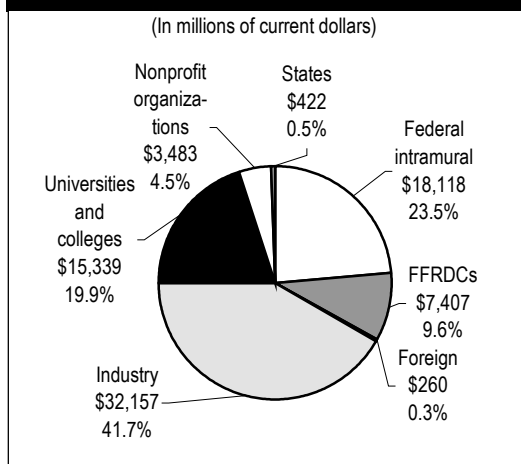
opment Centers (FFRDCs)—are slated to receive 20 percent (\$15.3 billion) and 10 percent (\$7.4 billion), respectively, of the Federal R&D dollars. Universities and colleges get three-fifths (\$9.2 billion) of their Federal R&D funds (including R&D plant) from the Department of Health and Human Services (HHS). These schools also get 15 percent (\$2.3 billion) of their Federal R&D support from the National Science Foundation (NSF), while another 9 percent (\$1.4 billion) comes from DoD. As a group, FFRDCs receive almost two-thirds (\$4.9 billion) of their R&D money from the Department of Energy (DOE). FFRDCs use 61 percent (\$4.5 billion) of this money to conduct basic and applied research.

Other nonprofit organizations (that is, independent private organizations other than universities and colleges) are slated to get 4.5 percent (\$3.5 billion) of the total Federal R&D funds. These organizations use 79 percent (\$2.8 billion) of this money to conduct basic and applied research. State governments and foreign performers are expected to receive very small portions of the Federal R&D total (0.5 percent or \$0.4 billion and 0.3 percent or \$0.3 billion, respectively).

Electronic Dissemination

SRS data are available through the World Wide Web (<http://www.nsf.gov/sbe/srs/>). For more information about obtaining reports, contact pubs@nsf.gov or call (301) 947-2722. For NSF's Telephonic Device for the Deaf, dial (703) 306-0090.

Figure 1. Distribution of preliminary Federal obligations for R&D and R&D plant, by performer: FY 2000



KEY: FFRDCs=Federally Funded Research and Development Centers

SOURCE: National Science Foundation/Division of Science Resources Studies, *Federal Funds for Research and Development: Fiscal Years 1998, 1999, and 2000*

Federal intramural (in-house) R&D performers will receive about 23.5 percent (\$18.1 billion) of the Federal R&D total. Nearly equal amounts of these R&D dollars will go to development projects (\$8.9 billion) and research activities (\$8.8 billion). About 44 percent (\$7.9 billion) of the Federal intramural funding is expected to come from DoD, followed by 19 percent (\$3.4 billion) from HHS, and 13 percent (\$2.4 billion) from the National Aeronautics and Space Administration (NASA).

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Table 1. Preliminary Federal obligations for research and development and for R&D plant, by agency, category, and performer: FY 2000

Agency and category	Performer							
	Total performers	Federal intramural	Federal extramural					
			Industrial firms	Universities and colleges	All FFRDCs	Other nonprofits	State and local governments	Foreign
Agency	(In millions of current dollars)							
Total.....	77,186	18,118	32,157	15,339	7,407	3,483	422	260
DoD.....	34,475	7,906	24,254	1,383	670	134	4	123
HHS.....	16,361	3,406	885	9,208	256	2,386	172	49
NASA.....	9,695	2,356	4,735	787	1,389	370	13	47
DOE.....	7,458	667	1,226	648	4,868	46	3	1
NSF.....	2,890	23	158	2,329	189	175	4	11
USDA.....	1,709	1,211	11	475	0	7	1	4
All other.....	4,597	2,549	888	509	36	366	224	25
Category								
Total.....	77,186	18,118	32,157	15,339	7,407	3,483	422	260
Development.....	40,425	8,866	26,930	1,769	1,935	711	75	138
Total research.....	34,680	8,776	4,710	13,422	4,543	2,762	346	122
Basic research.....	18,209	3,336	1,440	9,227	2,437	1,624	88	58
Applied research.....	16,470	5,440	3,270	4,195	2,106	1,138	258	64
R&D plant.....	2,081	477	517	147	929	10	1	0

KEY: FFRDCs = Federally Funded Research and Development Centers**SOURCE:** National Science Foundation/Division of Science Resources Studies, *Federal Funds for Research and Development: Fiscal Years 1998, 1999, and 2000***Data Collection Notes**

The 32 Federal agencies that report R&D obligations to the Federal Funds survey submitted actual obligations for FY 1998 and preliminary data for FYs 1999 and 2000. Data were reported during the period February through September 1999; therefore, these data are based on agencies' FY 2000 requests and do not represent agencies' actual appropriations. Agencies later

revise their preliminary data to reflect actual changes in the funding levels of R&D programs. Further, agencies may provide changes in prior-year data to reflect program reclassifications or other data corrections.

The data presented in this Data Brief are being released in advance of the comprehensive Detailed Statistical Tables Report, *Federal Funds for Re-*

search and Development: Fiscal Years 1998, 1999, and 2000, Volume 48.

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